

DEPARTMENT OF THE NAVY  
Southwest Regional Maintenance Center

3755 Brisner St. Suite 4  
SAN DIEGO, CALIFORNIA 92136-5205



USS ALBUQUERQUE (SSN-706)

SPECIFICATIONS FOR WORK TO BE ACCOMPLISHED  
SPECIFICATION NUMBER: SSP:SSSD-055-13

27 DEC 2012

DATE PREPARED

## I N D E X

ITEMS THAT ARE STRUCK OUT ON THIS INDEX DO NOT APPLY TO THIS CONTRACT.

CATEGORY I. FY-13 STANDARD ITEMS APPLICABLE TO THIS JOB ORDER WITHOUT FURTHER REFERENCE

<u>ITEM NO.</u>	<u>TITLE</u>	<u>DATE</u>
009-01	General Criteria; accomplish	29-JUL-11
009-02	Environmental Compliance Reports for Material Usage at Naval Facilities; provide	29-JUL-11
009-03	Toxic and Hazardous Substances; control	29-JUL-11
009-04	Quality Management System; provide	29-JUL-11
<del>009-05</del>	<del>Temporary Accesses; provide</del>	<del>29-JUL-11</del>
<del>009-06</del>	<del>Maintaining Protection and Cleanliness from Non-Radioactive Contaminate-Producing Operations; accomplish</del>	<del>17-OCT-12</del>
<del>009-07</del>	<del>Confined Space Entry, Certification, Fire Prevention and Housekeeping; accomplish</del>	<del>14-DEC-12</del>
<del>009-08</del>	<del>Fire Protection at Contractor's Facility; accomplish</del>	<del>17-OCT-12</del>
<del>009-10</del>	<del>Shipboard Asbestos-Containing Material (ACM); control</del>	<del>29-JUL-11</del>
009-18	Magnetic Material; control	29-JUL-11
<del>009-19</del>	<del>Provisioning Technical Documentation (PTD); provide</del>	<del>29-JUL-11</del>
<del>009-20</del>	<del>Government Property; control</del>	<del>29-JUL-11</del>
<del>009-21</del>	<del>Logistics and Technical Data; provide</del>	<del>29-JUL-11</del>
009-23	Interferences; remove and install	29-JUL-11
<del>009-24</del>	<del>Authorization, Control, Isolation, Blanking, and Tagging Requirements; accomplish</del>	<del>08-DEC-11</del>
<del>009-29</del>	<del>Asbestos-Free Pipe Hanger Liner Material; install</del>	<del>29-JUL-04</del>
<del>009-34</del>	<del>Fire Protection of Unmanned Vessels at Contractor's Facility; provide</del>	<del>15-JUN-12</del>
<del>009-35</del>	<del>Confined Space Entry, Certification, Fire Prevention Utilizing Military Fire Watches, and Housekeeping; accomplish</del>	<del>17-OCT-12</del>

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009-39	Technical Manual Contract Requirement (TMCR) for New Technical Manuals for Commercial Equipment/ Component; provide	19-JUL-07
009-40	Requirements for Contractor Cranes, Multi-Purpose Machines and Material Handling Equipment at Naval Facilities; accomplish	29-JUL-11
009-59	Organotin Antifouling Material; control	29-JUL-11
009-60	Schedule and Associated Reports for Availabilities Over 9 Weeks in Duration; provide and manage	29-JUL-11
009-61	Shipboard Use of Fluorocarbons; control	24-JUL-09
009-64	Synthetic Fire-Resistant Hydraulic Fluid; control	29-JUL-11
009-65	Polychlorinated Biphenyls (PCBs); control	29-JUL-11
009-67	Integrated Total Ship Testing; manage	29-JUL-11
009-69	Heavy Weather Plan; provide	15-JUN-12
009-70	Confined Space Entry, Certification, Fire Prevention and Housekeeping for Unmanned Vessels; accomplish	17-OCT-12
009-72	Physical Security at Private Contractor's Facility; accomplish	29-JUL-11
009-73	Shipboard Electrical/Electronic/Fiber Optic Cable; remove, relocate, repair, and install	29-JUL-11
009-74	Occupational, Safety and Health Requirements; accomplish	17-OCT-12
009-77	Cofferdam Requirements; accomplish	29-JUL-11
009-79	Government Owned Material (GOM); status reporting	29-JUL-11
009-80	Ship's Facilities; provide	29-JUL-11
009-81	Compartment Closeout; accomplish	29-JUL-11
009-82	Data Requirements When Installing an Equal Component Vice Specified Component; provide	29-JUL-11
009-83	Wire Rope Fitting Verification; provide	29-JUL-11

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009-84	Accountability of Temporary Fasteners; provide	29-JUL-11
<del>009-86</del>	<del>Recovery of Chlorofluorocarbon (CFC) Refrigerants and Fire Suppressant Halon (H) Materials; accomplish</del>	<del>01-AUG-08</del>
<del>009-87</del>	<del>Chemical Disinfection Procedures; accomplish</del>	<del>29-JUL-11</del>
<del>009-88</del>	<del>Collection, Holding and Transfer (CHT) and Mogas Tanks, Spaces, and Piping, including Sewage or Mogas-Contaminated Tanks, Spaces, and Piping; certify</del>	<del>29-JUL-11</del>
<del>009-89</del>	<del>Purchase and Inspection Requirements for Contractor Furnished Anodes; accomplish</del>	<del>29-JUL-11</del>
<del>009-93</del>	<del>Emergency Planning and Community Right-to-Know Act (EPCRA) and Pollution Prevention Act (PPA) Information; provide</del>	<del>29-JUL-11</del>
009-94	General Environmental Requirements for Work at Contractor's Facility; accomplish	29-JUL-11
<del>009-95</del>	<del>Mechanically Attached Fittings (MAF's) for Piping Systems; install</del>	<del>29-JUL-11</del>
<del>009-97</del>	<del>Shipbuilding and Ship Repair Operations National Emission Standard for Hazardous Air Pollutants (NESHAPS) for Surface Coating Information; provide</del>	<del>29-JUL-11</del>
<del>009-99</del>	<del>Ship Departure Report; provide</del>	<del>30-JUL-10</del>
<del>009-100</del>	<del>Ship's Stability Process Control Procedure (PCP); maintain</del>	<del>30-JUL-10</del>
<del>009-101</del>	<del>Requirements for Mooring, Entry to and Departure from Contractor's Facility; accomplish</del>	<del>29-JUL-11</del>
<del>009-102</del>	<del>Alteration Verification; provide</del>	<del>29-JUL-11</del>
<del>009-103</del>	<del>Weight and Moment Change Data; provide</del>	<del>29-JUL-11</del>
<del>009-106</del>	<del>Work Authorization Form Coordinator (WAFCOR); provide</del>	<del>30-JUL-10</del>
<del>009-108</del>	<del>Aircraft Carrier Requirements for Mooring, Entry to, Movement within, and Departure from Contractor's Facility; accomplish</del>	<del>29-JUL-11</del>
009-109	Special Requirements for Non-SUBSAFE Work on SUBSAFE-Certified Vessels; accomplish	29-JUL-11
009-110	Special Requirements for Non-Nuclear Work on Nuclear Vessels; accomplish	29-JUL-11

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009-111      Schedule and Associated Reports for Availabilities 9 Weeks    29-JUL-11  
                 or Less in Duration; provide and manage

~~009-112      Prevention of Radiographic-Inspection Ionizing-Radiation    29-JUL-11~~  
                 Hazards; accomplish

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## CATEGORY II. FY-13 STANDARD ITEMS WHICH MAY BE INVOKED IN THE WORK ITEMS OF THIS JOB ORDER

<u>ITEM NO.</u>	<u>TITLE</u>	<u>DATE</u>
009-09	Process Control Procedure (PCP); provide and accomplish	29-JUL-11
009-11	Insulation and Lagging Requirements; accomplish	29-JUL-11
009-12	Welding, Fabrication, and Inspection Requirements; accomplish	29-JUL-11
009-13	Meters; repair and certify calibration	29-JUL-11
009-14	Gages and Thermometers; repair and certify calibration	29-JUL-11
009-15	Rotating Machinery; balance	29-JUL-11
009-16	Electronic Equipment; repair	29-JUL-11
009-17	Rotating Electrical Equipment; repair	29-JUL-11
009-22	Shipboard Electric Cable; test	29-JUL-11
009-25	Structural Boundary Test; accomplish	29-JUL-11
009-26	Deck Covering Requirements; accomplish	29-JUL-11
009-27	Material Identification and Control (MIC) for Level I Systems; accomplish	29-JUL-11
009-28	Cancelled 30 JUL 2010	
009-30	Boiler Sample Tubes; inspect	29-JUL-11
009-31	Boiler Waterjet Cleaning; accomplish	29-JUL-11
009-32	Cleaning and Painting Requirements; accomplish	31-JAN-11
009-33	Rotating Electrical Equipment; rewind	29-JUL-11
009-36	Controller; repair	29-JUL-11
009-37	General Procedures for Woodwork; accomplish	30-JUL-10

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009-38	Boiler Dry Lay-up; accomplish	29-JUL-11
009-41	Technical Manual Contract Requirement (TMCR) for a Topically Structured Technical Manual; provide	19-JUL-07
009-42	Technical Manual Contract Requirement (TMCR) for Updating Technical Manuals; provide	19-JUL-07
009-43	Light-Off Assessment (LOA) Support for Steam Propulsion System; provide	29-JUL-11
009-44	Light-Off Assessment (LOA) Support for Gas Turbine Propulsion System; provide	29-JUL-11
009-45	Tapered Plug Valve; repair	29-JUL-11
009-46	Butterfly Valve, Synthetic and Metal Seated; repair	29-JUL-11
009-47	Gate Valve; repair	29-JUL-11
009-48	Pressure Seal Bonnet Valve; repair (shop)	29-JUL-11
009-49	Pressure Seal Bonnet Valve; repair (in-line)	29-JUL-11
009-50	Horizontal Swing Check Valve; repair	29-JUL-11
009-51	Globe, Globe Angle, and Globe Stop Check Valve; repair	29-JUL-11
009-52	Relief Valve; repair	29-JUL-11
009-53	Bolted Bonnet Steam Valve; repair (shop)	29-JUL-11
009-54	Bolted Bonnet Steam Valve; repair (in-line)	30-JUL-10
009-55	Regulating/Reducing Valve; repair	30-JUL-10
009-56	Main Propulsion Boiler Wet Lay-Up; accomplish	29-JUL-11
009-57	Reduction Gear Security Requirements; accomplish	08-DEC-11
009-58	Pump and Driver Shaft Alignment; accomplish	29-JUL-11
009-62	Boiler Handhole and Manhole Seats and Plates; inspect	29-JUL-11
009-63	Lubricating Oils and Hydraulic Fluids; analyze	29-JUL-11

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009-66	Light-Off Assessment (LOA) Support for Diesel Propulsion System; provide	29-JUL-11
009-68	Bolted Bonnet Valve; repair	29-JUL-11
009-71	Testing Requirements for Piping Systems; accomplish	30-JUL-10
009-75	Circuit Breaker; repair	29-JUL-11
009-76	Waveguide and Transmission Line Temporary Lay-Up, Pressurization, and Purging; accomplish	29-JUL-11
009-78	Passive Countermeasures System (PCMS) Material Repair/Installation Requirements; accomplish	30-JUL-10
009-85	Government Sponsored Planning Yard/Configuration Data Manager (CDM) On-Site Representative Facility; provide	19-JUL-07
009-90	Technical Representative; provide	29-JUL-11
009-91	Propeller In-Place Inspection; accomplish	29-JUL-11
009-92	Resilient Mount; remove and install	29-JUL-11
009-96	Ball Valve; repair	29-JUL-11
009-98	Monel Fasteners; inspect	30-JUL-10
009-104	Vibration Testing and Analysis; accomplish	29-JUL-11
009-105	Thermal Sprayed Coatings for Machinery Component Repair; accomplish	14-JUL-05
009-107	Piping System Cleanliness (Non-Nuclear); accomplish	29-JUL-11
009-113	Rotating Electrical Equipment with Sealed Insulation Systems (SIS); rewind	29-JUL-11
009-114	Mold Remediation; accomplish	30-JUL-10
009-115	Bearing Rebabbiting; accomplish	29-JUL-11
009-116	Auxiliary and Waste Heat Boiler Sodium Nitrate Wet Layup; accomplish	29-JUL-11
009-117	AEGIS Light Off (ALO) Support for AEGIS Weapons Systems Assessments (AWSA); provide	29-JUL-11



I N D E X

<u>ITEM NO.</u>	<u>TITLE</u>
551-12-001	High Pressure Air Compressor(HPAC) Air End Overhaul; accomplish

SHIP:	<u>USS ALBUQUERQUE (SSN-706)</u>	ITEM NO:	<u>551-12-001</u>
COAR:	<u>26-055</u>	PCN:	<u>EM01-6976</u>
		CMP:	<u>NONE</u>
		PLANNER:	<u>DYER</u>

1. SCOPE :

1.1 Title: High Pressure Air Compressor(HPAC) Air End Overhaul; accomplish

## 1.2 Location of Work:

### 1.2.1 Engine Room

### 1.3 Identification:

1.3.1 Quantity: (One) each, No.2, High Pressure Air Compressor (HPAC); APL: 06A030007; 13CFH,4500PSI CLAA; Mfr: Dresser-Rand Co.

## 2. REFERENCES :

## 2.1 Standard Items

2.2 S6220-CQ-MMO-A10, HIGH PRESSURE AIR COMPRESSOR, CLASS AA +

### 2.3 MS 5510-081-023, Restore High Pressure Air Compressor

## 2.4 OPNAV INSTRUCTION 4700.7K, Classes of Ship Systems and Component Overhauls

### 3. REQUIREMENTS :

3.1 Accomplish the requirements of 009-90 of 2.1.

3.1.1 Provide the services of a qualified on-site representative to accomplish an Air End overhaul of the equipment listed in 1.3.1 and located in 1.2.1, in accordance with the requirements of 2.2, 2.3 and Original Equipment Manufacturer's (OEM) proprietary drawings and specifications.

3.2 Remove existing, No.2 HPAC Air End Components (Cylinders, Pistons, Relief Valves, Suction/Discharge Valves, Cylinder Heads, Air Coolers/Condensate Separators, Cylinder Lubricator, HPAC Discharge Piping, Tubing, HPAC Water Piping and Drain Valve Solenoids) and install prestaged OEM HPAC Air End Components, overhauled to Class "A" condition, in accordance with the requirements of 2.2, 2.3 ,2.4 and OEM proprietary drawings and specifications.

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See Note 4.2.

3.2.1 Ship No.2 HPAC removed Air End Components to the OEM repair facility for inspection and overhaul to OEM Class "A" standards (return repaired components to OEM inventory).

3.2.1.1 Submit one legible copy, in hard copy or electronic media, of a report listing components found to be beyond economic repair, resulting from the requirements of 3.2.1, to the SUPERVISOR prior to contract end date.

(V)(G) "POST REPAIR OPERATIONAL TEST"

3.3 Accomplish a post repair operational test of the equipment listed in 1.3, for a period of 4 hours or for 1 hour after temperatures stabilize, in accordance with 2.2 and OEM proprietary drawings and specifications.

3.3.1 Inspect for air and fluid leaks. Allowable leakage: None.

3.3.2 Submit one legible copy, in hard copy or electronic media, of a report certifying the equipment listed in 1.3, meets the operational requirements of 2.2, to the SUPERVISOR.

#### 4. NOTES:

4.1 Known Source for qualified Technical Representative:

Dresser-Rand  
1675 Brandywine Ave., Suite F  
Chula Vista, CA 91911  
P.O.C: Christ Toft  
Office: (619) 656-4740  
Cell: (619) 213-7726  
Email: ctoft@dresser-rand.com

4.2 The replacement of existing shipboard HPAC Air End Components, with prestaged OEM Class "A" overhauled assets, is an effort to reduce the shipboard HPAC repair timeline.

#### 5. GOVERNMENT FURNISHED MATERIAL(GFM):

##### 5.1 LLTM:

1. None.

##### 5.2 PUSH MATERIAL:

1. None.

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5.3 KITTED MATERIAL:

1. None.